



Docket No.: M4065.0481/P481
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Glen Hush

Application No.: 10/022,722

Confirmation No.: 2292

Filed: December 20, 2001

Art Unit: 2818✓

For: A PROGRAMMABLE CONDUCTOR
RANDOM ACCESS MEMORY AND A
METHOD FOR WRITING THERETO

Examiner: H. Hoang

RESUBMISSION OF INFORMATION DISCLOSURE STATEMENT
REFERENCES

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In response to a telephone conference with the Examiner on August 18, 2003, attached please find references BA and CA-CO from the April 22, 2003 IDS submission (copies attached). Copies of these references were supplied as part of the April 22, 2003 IDS submission, however, these references were apparently misplaced or lost at the PTO.

Dated: September ⁹8, 2003

Respectfully submitted,

By 

Thomas J. D'Amico
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Christopher S. Chow
Registration No.: 46,493
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Atty Docket No.: M4065.0481/P481 ✓

Inventor: Glen Hush

Application No.: 10/022,722

Filing Date: December 20, 2001

Title: A PROGRAMMABLE CONDUCTOR RANDOM ACCESS MEMORY AND A METHOD FOR WRITING THERETO



Documents Filed:

Transmittal (1 page)

Information Disclosure Statement (3 pages in duplicate)

PTO SB/08 (1 page) with refs.

Payment by credit card. Form PTO-2038 is attached (1 page)

Fee Transmittal (1 pg)

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Date: April 12th, 2003

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RANDOM ACCESS MEMORY AND A
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INFORMATION DISCLOSURE STATEMENT (IDS)

Commissioner for Patents
Washington, DC 20231

Dear Sir:

Pursuant to 37 CFR 1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed more than three months after the U.S. filing date, OR more than three months after the date of entry of the national stage of a PCT application, AND after the mailing date of the first Office Action on the merits, whichever occurs first, but before the mailing date of a Final Rejection or Notice of Allowance.

A copy of each reference on PTO/SB/08 is attached.

A concise explanation of relevance of the items listed on form PTO/SB/08 is:

☒ not given

☐ given for each listed item

☐ given for only non-English language listed items

☐ in the form of an English language copy of a Search Report from a foreign patent office, issued in a counterpart application, which refers to the relevant portions of the references

While the information and references disclosed in this Information Disclosure Statement may be "material" pursuant to 37 CFR 1.56, it is not intended to constitute an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

Application No.: 10/022,722

Docket No.: M4065.0481/P481

Please charge our Credit Card in the amount of \$180.00 covering the fee set forth in 37 CFR 1.17(p). Credit Card Payment Form SB-2038, with a signature from an authorized cardholder, is enclosed. The Commissioner is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 04-1073, under Order No. M4065.0481/P481. A duplicate copy of this paper is enclosed.

Dated: April ²⁷17, 2003

Respectfully submitted,

By 

Thomas J. D'Amico

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PTO/SB/08A (10-01)

Approved for use through 10/31/2002 OMB 0651-0031

U. S. Patent and Trademark Office: U. S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/022,722
				Filing Date	December 20, 2001
				First Named Inventor	Glen Hush
				Art Unit	2818
				Examiner Name	H. Hoang
Sheet	1	of	4	Attorney Docket Number	M4065.0481/P481

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	AA	6,469,364	10/2002	Kozicki	
	AB	2002/0168820 App.	11/2002	Kozicki	
	AC	2002/0072188 App	6/2002	Gilton	
	AD	2002/0123169 App	9/2002	Moore et al.	
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	AF	3,622,319	11/1971	Sharp	
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	AH	4,269,935	5/1981	Masters et al.	
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	AW	5,512,328	4/1996	Yoshimura et al.	
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PTO/SB/08A (10-01)

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete If Known	
				Application Number	10/022,722
				Filing Date	December 20, 2001
				First Named Inventor	Glen Hush
				Art Unit	2818
				Examiner Name	H. Hoang
Sheet	2	of	4	Attorney Docket Number	M4065.0481/P481

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AW1	2003/0001229 APP	1/2/2003	Moore et al.	
AX1	2002/0106849 APP	8/8/2002	Moore	
AY1	2002/0127886 APP	9/12/2002	Moore et al.	
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BD1	4,671,618	6/87	Wu et al.	
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BF1	2003/0035314	02/20/03	Kozicki	
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PTO/SB/08A (10-01)

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete If Known	
				Application Number	10/022,722
				Filing Date	December 20, 2001
				First Named Inventor	Glen Hush
				Art Unit	2818
				Examiner Name	H. Hoang
Sheet	3	of	4	Attorney Docket Number	M4065.0481/P481

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ²	Number ³ -Kind Code ⁴ (if known)				
	BA	JP	56126916	10/1981	Akira et al.		
	BB						

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See attached Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.



Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		C m p l t e I f K n w n			
		Application Number	10/193,529		
		Filing Date	July 10, 2002		
		First Named Inventor	Kristy A. Campbell		
		Group Art Unit	2714		
		Examiner Name	H. Weiss		
Sheet	4	of	4	Attorney Docket Number	M4065.0695/P695

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials ²	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CA	Axon Technologies Corporation, TECHNOLOGY DESCRIPTION: <i>Programmable Metalization Cell(PMC)</i> , pp. 1-6 (Pre-May 2000).	
	CB	Helbert et al., <i>Intrallevel hybrid resist process with submicron capability</i> , SPIE Vol. 333 SUBMICRON LITHOGRAPHY, pp. 24-29 (1982).	
	CC	Hill, DISSERTATION: <i>Materials characterization of Silver Chalcogenide Programmable Metalization Cells</i> , Arizona State University, pp. Title page-114 (UMI Company, May 1999).	
	CD	Hirose et al., <i>High Speed Memory Behavior and Reliability of an Amorphous As₂S₃ Film Doped Ag</i> , PHYS. STAT. SOL. (a) 61, pp. 87-90 (1980).	
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	CF	Huggett et al., <i>Development of silver sensitized germanium selenide photoresist by reactive sputter etching in SF₆</i> , 42 APPL. PHYS. LETT., No. 7, pp. 592-594 (April 1983).	
	CG	Kawaguchi et al., <i>Mechanism of photosurface deposition</i> , 164-166 J. NON-CRYST. SOLIDS, pp. 1231-1234 (1993).	
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	CK	Kozicki, et al., <i>Nanoscale phase separation in Ag-Ge-Se glasses</i> , Microelectronic Engineering, vol. 63/1-3, 155-159 (2002).	
	CL	M.N. Kozicki and M. Mitkova, <i>Silver incorporation in thin films of selenium rich Ge-Se glasses</i> , Proceedings of the XIX International Congress on Glass, Society for Glass Technology, 226-227 (2001).	
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	CN	Owen et al., <i>Metal-Chalcogenide Photoresists for High Resolution Lithography and Sub-Micron Structures</i> , NANOSTRUCTURE PHYSICS AND FABRICATION, pp. 447-451 (M. Reed ed. 1989).	
	CO	Shimizu et al., <i>The Photo-Erasable Memory Switching Effect of Ag Photo-Doped Chalcogenide Glasses</i> , 46 B. CHEM SOC. JAPAN, No. 12, pp. 3662-3365 (1973).	
	CP		
	CQ		

Examiner Signature	Date Considered
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